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**From:** Sanga, Ravi [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=94FC8A3DE5994339AF563FF14098A8F8-SANGA, RAVI]  
**Sent:** 1/28/2021 7:03:57 PM  
**To:** Dan Berlin [dberlin@anchorqea.com]  
**CC:** Brick Spangler [Spangler.B@portseattle.org]; florer.j@portseattle.org; debra.williston@kingcounty.gov; jeff.stern@kingcounty.gov; pete.rude@seattle.gov; allison.crowley@seattle.gov; Merv Coover [merv.coover@erm.com]; Greg Brunkhorst [gbrunkhorst@anchorqea.com]; dchiavelli@anchorqea.com; Allen, Elizabeth [allen.elizabeth@epa.gov]; Gardiner, William W CIV USARMY CENWS (USA) [William.W.Gardiner@usace.army.mil]; aosullivan@suquamish.nsn.us  
**Subject:** RE: EW AB Memo Outline - EPA Comments

Hi Dan See below for EPAs comments on the outline:

- 1) Section 2.1 or 2.2 needs to cover contaminant loading as well – or needs to indicate why it is not considered, if it will not be included.
- 2) Section 5: The statistics to be calculated are the mean, median, 90/90 UTL, and the 95 percent UCL on the mean. The upper threshold limit needs to be calculated as the 95 UCL and a 95/95 UTL should also be calculated. While the 90/90 UTL is not supported by EPA, it should also be included in the memorandum for information purposes.

Please let me know if you have any questions or if you think a meeting is needed to discuss anything with the memorandum, before it is submitted.

Thanks

Ravi

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**From:** Dan Berlin <dberlin@anchorqea.com>  
**Sent:** Tuesday, January 12, 2021 7:08 AM  
**To:** Sanga, Ravi <Sanga.Ravi@epa.gov>  
**Cc:** Brick Spangler <Spangler.B@portseattle.org>; florer.j@portseattle.org; debra.williston@kingcounty.gov; jeff.stern@kingcounty.gov; pete.rude@seattle.gov; allison.crowley@seattle.gov; Merv Coover <merv.coover@erm.com>; Greg Brunkhorst <gbrunkhorst@anchorqea.com>; dchiavelli@anchorqea.com  
**Subject:** EW AB Memo Outline

Ravi,  
Attached is the draft annotated outline for the East Waterway Anthropogenic Background Memorandum. We are moving forward to develop the memo to support a February delivery to EPA, but please let us know if you have any thoughts.

Thanks

Dan

**Dan Berlin, PWS**

Principal

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